## PENDING CLAIMS

1.      (Currently Amended)  In a wireless communication system supporting a
broadcast service, a method comprising:

receiving an IP multicast address and a service option parameter for the broadcast service
        from a base station during establishment of a user traffic channel between a
        packet data serving node and a base station;

receiving a broadcast packet flow sent via an IP network;

using the service option parameter to ~~determine header compression~~
indicate whether header compression is enabled, and if it is enabled, which header
compression algorithm is used;

compressing a packet header of the broadcast packet flow; and

mapping the broadcast packet flow identified by an address in the packet header to the
        user traffic channel using the IP multicast address.


2.      (Original)  The method as in claim 1, wherein the broadcast service is transmitted
by a content server.


3.      (Original)  The method as in claim 1, wherein the broadcast service is transmitted
as Internet Protocol data packets.


4.      (Original)  The method as in claim 2, wherein the content server serves the
broadcast packet flow to the packet data serving node via the IP network.


5.      (Original)  The method as in claim 1, wherein the broadcast packet flow
comprises video data.


6.      (Original)  The method as in claim 1, wherein the broadcast packet flow
comprises audio data.

7. (Original) The method as in claim 1, wherein the user traffic channel is an A10 connection.

8. (Currently Amended) The method as in claim 1, wherein the IP multicast address and the service option parameter are received over a signaling connection between the packet data serving node and the base station, wherein the service option number is provided in the overhead message.

9. (Original) The method as in claim 8, wherein the signaling connection is an A11 connection.

10. (Original) The method as in claim 9, wherein the IP multicast address and the service option parameter are transmitted with an A11 registration request message.

11. (Currently Amended) A packet data serving node configured to implement a method comprising:

receiving flow treatment and mapping data from a base station during establishment of a
user traffic channel with the base station;

receiving a broadcast packet flow;

using a service option parameter from the flow treatment and mapping data to ~~determine header compression~~ indicate whether header compression is enabled, and if it is
enabled, which header compression algorithm is used;

compressing a packet header of the broadcast packet flow; and

mapping the broadcast packet flow identified by an address in the packet header to the
user traffic channel using an IP multicast address from the flow treatment and
mapping data.

12. (Original) The packet data serving node as in claim 11, wherein the broadcast packet flow is transmitted by a content server.

13.     (Original)  The packet data serving node as in claim 11, wherein the broadcast packet flow is transmitted as Internet Protocol data packets.

14.     (Original)  The packet data serving node as in claim 11, wherein a content server serves the broadcast packet flow to the packet data serving node via an IP network.

15.     (Original)  The packet data serving node as in claim 11, wherein the broadcast packet flow comprises video data.

16.     (Original)  The packet data serving node as in claim 11, wherein the broadcast packet flow comprises audio data.

17.     (Original)  The packet data serving node as in claim 11, wherein the user traffic channel is an A10 connection.

18.     (Currently Amended)  The packet data serving node as in claim 11, wherein the IP multicast address and the service option parameter are received over a signaling connection between the packet data serving node and the base station, wherein the service option number is provided in the overhead message.

19.     (Original)  The packet data serving node as in claim 18, wherein the signaling connection is an A11 connection.

20.     (Original)  The packet data serving node as in claim 19, wherein the IP multicast address and the service option parameter are transmitted with an A11 registration request message.

21.     (Currently Amended)  A packet data serving node for receiving IP packets from an IP network and operating to send the IP packets to a base station, the packet data serving node comprising:

an A10 connection for communicating user traffic to the base station;

an A11 connection for communicating signaling information to the base station;

an IP network connection for connecting the packet data serving node to the IP network;

flow treatment and mapping data comprising an IP multicast address and a service option parameter, wherein the packet data serving node is configured to receive the flow treatment and mapping data from the base station over the A11 connection in establishing the A10 connection and wherein the packet data serving node is further configured to store the flow treatment and mapping data;

means for mapping the IP packets to the A10 connection based on a multicast address of the IP packets and using the flow treatment and mapping data;

means for using a service option parameter from the flow treatment and mapping data to indicate whether header compression is enabled, and if it is enabled, which header compression algorithm is used; and

means for compressing an IP header based on the service option parameter.

22.    (Original)  The packet data serving node as in claim 21, wherein the IP packets are transmitted by a content server.

23.    (Original)  The packet data serving node as in claim 22, wherein the content server serves the IP packets to the packet data serving node via the IP network.

24.    (Original)  The packet data serving node as in claim 21, wherein the IP packets comprise video data.

25.    (Original)  The packet data serving node as in claim 21, wherein the IP packets comprise audio data.

26.    (Original)  The packet data serving node as in claim 21, wherein the flow treatment and mapping data is parsed from an A11 registration request message.

27.     (Currently Amended)  A base station for use in a wireless communication system supporting a broadcast service, wherein the base station is configured to implement a method comprising:

configuring flow treatment and mapping data comprising an IP multicast address and a
        service option parameter, wherein said service option parameter indicates whether
        header compression is enabled, and if it is enabled, which header compression
        algorithm is used;

establishing a signaling connection with a packet data serving node;

requesting a user traffic channel with the packet data serving node through the signaling
        connection;

sending the flow treatment and mapping data to the packet data serving node during user
        traffic channel setup;

establishing the user traffic channel with the packet data serving node; and

receiving IP packets on the user traffic channel, wherein the IP packets are addressed to
        the IP multicast address and wherein a packet header of the IP packets is
        compressed according to the service option parameter.

28.     (Original)  The base station as in claim 27, wherein the IP packets comprise video data.

29.     (Original)  The base station as in claim 27, wherein the IP packets comprise audio data.

30.     (Original)  The base station as in claim 27, wherein the user traffic channel is an A10 connection.

31.     (Original)  The base station as in claim 27, wherein the signaling connection is an A11 connection.

32.    (Original)  The base station as in claim 27, wherein the flow treatment and mapping data are sent to the packet data serving node as part of an A11 registration request message.


33.    (Currently Amended)  A wireless communication apparatus, comprising:

means for receiving an IP multicast address and a service option parameter for the
   broadcast service from a base station during establishment of a user traffic
   channel between a packet data serving node and a base station;

means for receiving a broadcast packet flow sent via an IP network;

means for ~~determining header compression~~ indicating whether header compression is
   enabled, and if it is, which header compression algorithm is used based on the
   service option parameter;

means for compressing a packet header of the broadcast packet flow; and

means for mapping broadcast packet flow identified by an address in the packet
   header to the user traffic channel using the IP multicast address.